



VR 988/50

VR988



Philips and JVC Video Malaysia Sdn Bhd (PJVM) was established in the year 1988 and was then known as JVC Video Manufacturing Malaysia Sdn Bhd (JVM). A joint venture was inaugurated between Philips and JVC in the year 1991 and the change of name from JVM to PJVM became official on February 1st of that year. It was the first company to manufacture VCRs in Malaysia.

Today, PJVM is well known in the world of VCRs and has become the leader among the manufacturers of VCRs with the full support of JVC, the inventor of the VHS format, and the invaluable guidance rendered by Philips.

Technical Specifications (VR 988/50)

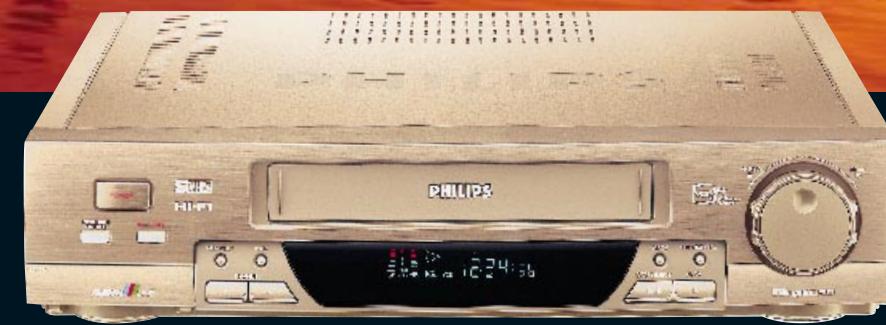
GENERAL	
Chassis	VII
Dimension	435 x 94 x 330
Mains Voltage : (+/- 10%)	110 - 240V
Power Plug	UL/CSA Type
Front Panel Finishing	Nickel Gold Metallic
Top Cover Embossed	O
Color Carton	4C
Handle	O
Jog / Shuttle on set (J/S)	O (J/S)
VIDEO	
Video System - Rec	NTSC
Video System - Playback	NTSC
S-VHS	O
S-VHS / ET	O
No. of Heads	4 + 2
Head Cleaner	O
Recording Speed	SP / SLP
Playback Speed	SP / LP / SLP
Still Picture (SP mode)	Perfect
Blue Back	O
Picture Control	Incredible Picture
MacroVision	O
AUDIO	
Hifi Stereo	O
TUNER	
Tuning System	FST
No. of Channel Position	18ICH
Broadcasting Standard	M
Frequency Coverage	V / U / CATV
Stereo Decoder	MTS
Modulator	CH 3/4
DISPLAY / TIMER	
Level Meter	O
Dimmer	Auto
On Screen Display	Eng / Spa / Fre
Timer Program	1 Yr / 8 Events
Power Backup Time	Lithium Batt. CR2025
Instant Recording (OTR)	O
G-Code / Video Plus	O (VCR-P-C3)
Quick Timer Programming	10 Key (RCU)
TAPE ACCESS	
Real Time Counter	O
Repeat (50 Times)	O
Index Search	O
Skip Search	O
CONNECTORS	
Front AV Socket	O (RCA + SVHS)
Rear S-VHS In	O
Rear S-VHS Out	O
REMOTE CONTROL	
Jog and Shuttle on remote	O
Illumination Function Key	O
Philips TV Functions on RC	O
Multibrand TV Compatibility	O

Super VHS ET

1. Video Signal Recording System:
 - Video input/output signal: NTSC-type color signal and separated Y/C signals conforming to NTSC
 - Luminance signal recording: Frequency modulated (FM) recording (conforming to Super VHS)
 - FM frequency:
 - White peak: 7.0 ± 0.1 MHz (conforming to Super VHS)
 - Sync tip: 5.4 ± 0.1 MHz (conforming to Super VHS)
 - Deviation: 1.6 MHz (conforming to Super VHS)
 - Clip level:
 - White clip: $190 \pm 10\%$ (210% for Super VHS)
 - Dark clip: $-70 \pm 10\%$ (conforming to Super VHS)
 - New signal emphasis
 - Chrominance signal recording: Color-under phase-shift recording of quadrature modulated chrominance signal (conforming to Super VHS)
2. Audio Signal Recording System:
 - Linear track recording: conforming to VHS audio recording method
 - FM recording: conforming to VHS audio recording method

PHILIPS

Video Cassette Recorder



- Super 400 lines picture quality • 19 Micron Super 4 Head HiFi
- Plug & Play Set-up • Lighted Jog / Shuttle Multibrand TV Remote Control • Trilingual On Screen Display • Battery Back-Up • Quick Timer Programming • VCR C3 Cable Box Control • Incredible Picture Chip - Best Performance & Reliability .

SVHS

Let's make things better.



PHILIPS

Let's make things better.



PHILIPS

"SUPER VHS ET" CAPABLE OF RECORDING OVER 400 LINES OF HIGH RESOLUTION ON CONVENTIONAL VHS TAPES

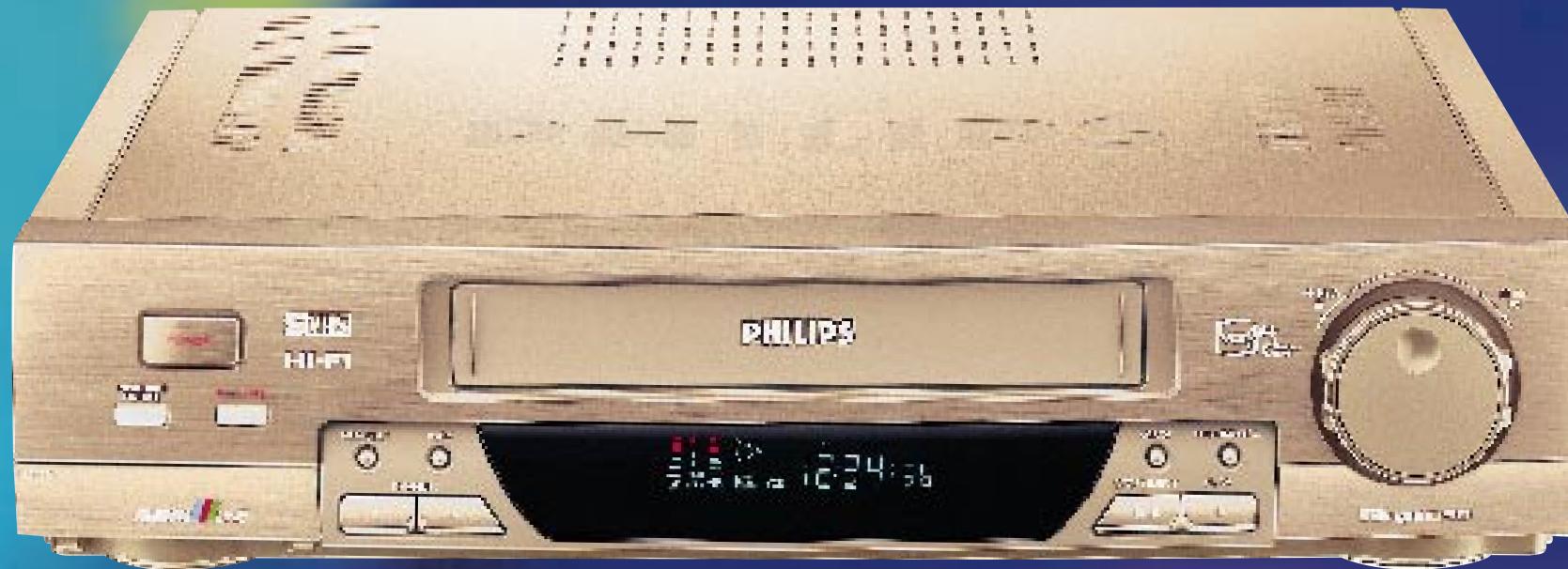
The brand-new technology "Super VHS ET (Expansion Technology)" makes it possible to record Super VHS quality on Standard VHS tapes.

The new "Super VHS ET" feature on Super VHS decks will allow users to record high-resolution Super VHS signals on the most widely available VHS cassettes, thus delivering over 400 lines of resolution. In turn, the new technology allows more users to easily enjoy higher-resolution which previously had been available only to owners of Super VHS decks using Super VHS cassette tapes. The technology will substantially expand the scope of higher-quality home picture recording and the penetration of Super VHS.

The new "Super VHS ET" is a system technology consisting of the newly developed "High-Resolution Recording System," "High Performance Video Head" and "Pre-Amp." This technology, making it possible to record 160% wider signal frequency range on VHS tapes, allows the recording of 400 lines of resolution on VHS tapes (HG tape is recommendable). In the background of this development is the fact that performance of video tapes and high quality picture technology of VHS video decks have been remarkably improved in recent years.

Super 

VR 988



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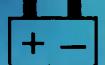
Plug & Play
Incredible Picture

Lighted
Jog/Shuttle Multi Remote

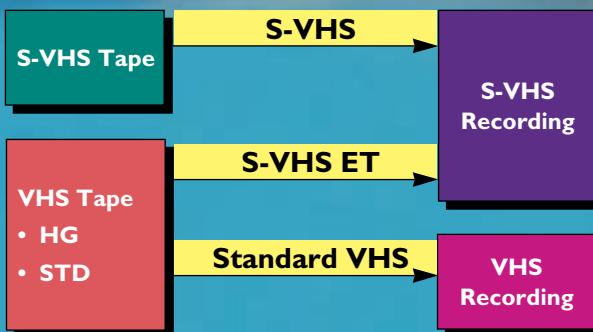
VCR plus+
Cable Box
Easy Taping.

Energy Star
ENERGY STAR® IS A SYMBOL
FOR ENERGY EFFICIENCY

VISS



S-VHS ET Concept



Key benefit and communication for SVHS ET :

- Perfect solution of high resolution picture (400 lines vs. 240 lines)
- Cheaper hardware cost than S-VHS in the past
- Enable to use standard tape for S-VHS recording
- Same running cost of recording on VHS

Feature Contents

• S-VHS

More than 400 lines of horizontal resolution, (VHS 240 lines) and separate luminance (Y) and chrominance (C) signal processing. This provides Best picture quality.

• S-VHS ET (S-VHS Expansion Technology)

400 lines picture quality can be recorded on standard tape. This allow low running cost (same as normal recording on standard tape) for perfect picture quality.

• 6 Head - 4 Video & 2 Audio

The DA 4 Head design ensures a perfect still, interference free slow motion & frame-by-frame advance picture while another 2 heads are added to provide high quality Stereo Hifi sound both in Playback & Recording. By connecting the audio output to a Hifi Audio System, you will be able to enjoy superb sound for the complete Home cinema experience.

• Pro-cision EP 19μ Heads

By applying these narrow heads, the output level in SLP will be increased this improving the SLP playback quality. Picture noise in dark area and unstable feeling on screen will be cleared up. The picture quality in EP mode will be completely different from before.

• Plug & Play Set-up

Easier and faster tuner setup of the VCR after connecting the set to the mains and via RF cable or AV cable to the television set. By switching on the set, automatically the installation menu will start and step-by-step, the user will be instructed to give input for the VCR installation.

• Lighted Jog / Shuttle Multibrand TV Remote Control

This unique Remote Control will control most brands of colour television for the power On/Off, channel Up/Down as well as Volume Up/Down. By pushing a button, the main function on the remote control are illuminated by a red led. This is very convenient in a dark environment as the Remote Control functions are now clearly visible. The Jog and Shuttle control completes this remote for easy and accurate scenery pinpointing and editing.



• Trilingual On Screen Display

Operation is made even easier by this function, which clearly shows you the status and settings of the VCR on your TV screen. On screen display is also used for step-by-step programming recordings, so you can see what you are doing at every stage and confirm it error free. The choice of languages are English, Spanish & French.

• Incredible Picture Chip

Through advanced circuit design and the Audio / Video signal processing, the Picture Performance of this VCR is truly INCREDIBLE. By utilizing the Incredible Picture Chip, an all-in-one control system as well as an automatic adjustment process, the very Best Picture Performance has been guaranteed. Automatic adjustments are also made when worn or noisy Rental tapes are played back, ensuring the very Best Picture Performance for every occasion.



• VCR + C3 Cable Box Control

This new feature provides a very easy means of performing your timer recording. Key in a code, which is available in most newspapers or magazines, via the remote control. The VCR is ready to perform any unattended recording. Each TV programme will have its unique set of code.

• Quick Timer Programming

By pressing buttons on Remote Control Unit, direct programming will be operated. It is so easy and quick.

• Video Index Search System (VISS)

At the start of each recording, an index code is written automatically enabling the VCR to identify the start of the programmes. Easy scanning of the tape to the starting point of each programme. Full playback control and easy editing of own video tapes.

• S VHS + A/V Front In Socket

This feature provide a high quality and convenient connection from other VCR or camcorder to your VCR for the purpose of dubbing onto your VCR.

Subject to modification without notice

* VCR Plus+ C3 and PlusCode are registered trademark of Gemstar Development Corporation. The VCR Plus+ system is manufactured under license from Gemstar Development Corporation.